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ASSEMBLE FIRST TELEVISION SET;
USE X-RAY IN INDUSTRY

LJUBLJANA INSTITUTE ASSEMBLES FIRST SET -- Zagreb, Borba, 19 Sep 51

Ljubljana, 18 September -- The Institute for Telecommunications in Ljubljana has assembled the first amateur television set. The set will be demonstrated at the exhibition of the Yugoslav Association of Radio Amateurs which is to be held in Belgrade.

Special parts for the set were purchased abroad, although most parts were made by Yugoslav technicians in the television section of the institute. This section, under the management of radio technician Engr Albin Vedam, a Slovenian, designed the set.

The set is composed of a television antenna, a built-in synchronizer, and a television receiver. Pictures which are very precisely recorded by a single electron beam are changed 25 times every second, as in ordinary movie projectors.

ENTERPRISES USE X-RAY TO INSPECT PRODUCTS -- Zagreb, Vjesnik, 15 Sep 51

Some enterprises in Slovenia have begun using modern technical equipment, including X-ray, to inspect machinery parts. The state ironworks in Maribor are using X-ray inspecting equipment on their own and purchased products. This equipment was recently used to inspect 4-meter-wide drums used in lowering steel cables into the new shaft of the Velenje mine. The drum castings made by the "Store" Ironworks were found to be faulty because they contained internal bubbles.

The General Construction Enterprise in Maribor utilizes a device for determining the homogeneity of iron. Similar equipment is to be used by the "Franc Leskosek" Factory in Maribor and the "Litostroj" Factory in Ljubljana.

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